

U.S. ENVIRONMENTAL PROTECTION AGENCY  
 POLLUTION/SITUATION REPORT  
 Holden School Vapor Intrusion Site - Removal Polrep



# 67010015-N1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region V

**Subject:** POLREP #1  
 Initial POLREP  
 Holden School Vapor Intrusion Site  
 C569  
 Kent, OH  
 Latitude: 41.1430482 Longitude: -81.3588896

**To:** Jason El-Zein, U.S. EPA  
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 Jim Soyars, Kent City Schools

**From:** Lori Muller, On-Scene Coordinator

**Date:** 9/4/2011

**Reporting Period:** 9/2/2011 to 9/5/2011

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	C569	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	9/2/2011	<b>Start Date:</b>	9/2/2011
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	

**ERNS No.:****State Notification:****FPN#:****Reimbursable Account #:****1.1.1 Incident Category**

Emergency Response

**1.1.2 Site Description**

In June of 2011, U.S. EPA began assessing a former dry-cleaning property in Kent, OH. Sub-slab air samples were taken at an elementary school approximately two blocks from the source property. The volatile organic compounds benzene, hexane, 1,2,4- and 1,3,5-trimethylbenzene were found in these samples, which prompted a round of indoor air sampling. 1,2,4- and 1,3,5- trimethylbenzene were found at levels exceeding U.S. EPA 2002 OSWER guidance in the indoor air samples.

An Emergency Response action was initiated to install a sub-slab depressurization system over the Labor Day holiday weekend while the school was vacant.

**1.1.2.1 Location**

132 West School Street  
Kent, OH 44240

**1.1.2.2 Description of Threat**

See section 1.1.2

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

N/A

**2. Current Activities****2.1 Operations Section****2.1.1 Narrative**

See section 2.1.2

**2.1.2 Response Actions to Date**

On August 25, 2011, the OSC, START, ERRS and subcontractor personnel mobilized to the site for an initial walkthrough of Holden Elementary School and begin designing the proposed sub-slab depressurization system (SSDS). The OSC also met with representatives from the State of Ohio BUSTR program, the City of Kent fire department, and Holden Elementary School to discuss the site history and the planned removal activities. The OSC coordinated with representatives of the school and scheduled installation of the SSDS over the Labor Day holiday weekend to minimize potential disturbance of school activities. On September 1, 2011, the Director for Business Services for Holden Elementary School signed the U.S. EPA access agreement for installation of the system and acceptance of responsibility for the operation and maintenance requirements of the system. From September 2 through 5, 2011, the OSC, START, ERRS and subcontractor personnel mobilized equipment to the site to begin installation of the SSDS. Contractors installed eleven extraction ports through the concrete slab and connected PVC piping to seven motorized fans on the roof of the school to vent vapors to the atmosphere.

### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

A separate Site Assessment is scheduled for October 2011 to investigate the source of the vapors.

### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

See section 2.2.1.2

#### 2.2.1.1 Planned Response Activities

See section 2.2.1.2

#### 2.2.1.2 Next Steps

Air sampling will be conducted inside the school 30- and 90-days after installation to evaluate performance of the SSDS.

### 2.2.2 Issues

School started on Wednesday, August 24, 2011, so the system installation was scheduled over the Labor Day holiday weekend while school is not in session.

## 2.3 Logistics Section

N/A

## 2.4 Finance Section

### 2.4.1 Narrative

N/A

## 2.5 Safety Officer

Lori Muller, U.S. EPA OSC

## 2.6 Liaison Officer

N/A

**2.7 Information Officer**

N/A

**2.7.1 Public Information Officer**

**2.7.2 Community Involvement Coordinator**

**3. Participating Entities**

**3.1 Unified Command**

N/A

**3.2 Cooperating and Assisting Agencies**

U.S. EPA

Kent City Schools

City of Kent

Ohio Department of Health

Ohio EPA

Bureau of Underground Storage Tank Regulations

**4. Personnel On Site**

U.S. EPA: OSC Lori Muller

START: Ryan Green

ERRS: RM Bob Armstrong

**5. Definition of Terms**

N/A

**6. Additional sources of information**

**6.1 Internet location of additional information/reports**

N/A

**6.2 Reporting Schedule**

N/A

**7. Situational Reference Materials**

N/A